

1    **Listing of Claims:**

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3        1. (Previously presented) A client-side caching system, comprising:  
4            a client for issuing a request based on user selection for a resource on a server;  
5            and

6            a server for sending a response including a cookie and a client-side script to the  
7            client, wherein the cookie value represents the last version of the resource, and the  
8            client-side script appends the cookie value to the request for a resource and the client  
9            automatically requests the resource with the appended cookie value so that if the most  
10           recent version of the resource is in the client cache, the resource is retrieved from client  
11           cache rather than from the server, and if not, is retrieved from the server.

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13        2. (Original) The client-side caching system of claim 1, wherein the resource  
14           is a web page, the resource is located at a URL, and the client is a web browser with a  
15           browser cache.

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17        3. (Previously presented) The client-side caching system of claim 1, wherein  
18           the response includes a non-displayed relatively small page and the cookie is in a  
19           response header and the client-side script is in the entity body of the response.

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21        4. (Previously presented) The client-side caching system of claim 1, wherein  
22           the client-side script that appends the cookie value to the request is embedded in a  
23           displayed page.

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25        5. (Previously presented) A server for a client-side caching system,  
26           comprising:

27            a server for receiving a client request for a resource, updating a database,  
28            creating and inserting a cookie and a client-side script in a response to the client,  
29            wherein the cookie value represents the last version of the resource, the client-side  
30            script appends the cookie value to the request for a resource such that the client

1 automatically re-requests the resource with the appended cookie value so that if the  
2 most recent version of the resource is in the client cache, the resource is retrieved from  
3 client cache rather than from the server, and if not, the resource is retrieved from the  
4 server.

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6 6. (Previously presented) The server of claim 5, wherein the server includes  
7 a web server for listening to client requests, the resource is a web page, and an  
8 application server for creating the cookie and inserting the cookie into a response  
9 header and inserting the client-side script into the entity body of the response.

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11 7. (Previously presented) The server of claim 6, wherein the server sets the  
12 cookie value by determining the last modified time of each web page in the same class  
13 as the web page which is the subject of the request, and sets the cookie value to the  
14 maximum value of the last modified times.

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16 8. (Previously presented) The client-side caching system of claim 2, wherein  
17 the server sets the cookie value by determining the last modified time of each web page  
18 in the same class as the web page which is the subject of the request, and sets the  
19 cookie value to the maximum value of the last modified times.

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21 9. (Previously presented) A client-side caching system, comprising:  
22 a client for issuing a request based on a user selection for a resource stored on  
23 a server and for receiving a server response including a cache control object and a  
24 client-side script, wherein the cache control object represents the correct version of the  
25 resource, the client-side script appends the cache control object value to the request for  
26 the resource, and the client automatically re-requests the resource with the appended  
27 cache control object value so that if the correct version of the resource is in the client  
28 cache, the resource is retrieved from the client cache rather than from the server, and if  
29 not, the resource is retrieved from the server.

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1        10. (Previously presented) The client-side caching system of claim 9, wherein  
2    the resource is a web page located at a URL, the correct version is the last version of  
3    the resource, and the client is a web browser with a browser cache.

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5        11. (Previously presented) The client-side caching system of claim 10,  
6    wherein the request and the response are HTTP compliant, the response is a relatively  
7    small non-displayed page, the cache control object is a cookie in a response header,  
8    and the client-side script is in the entity body of the response.

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10       12. (Previously presented) The client-side caching system of claim 9, wherein  
11    the client-side script that appends the cache control object to the request is embedded  
12    in a displayed page.

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14       13. (Previously presented) The client-side caching system of claim 9, wherein  
15    Internet protocols define communication between the client and the server, and the  
16    correct version is the last version of the resource.

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18       14. (Previously presented) The client-side caching system of claim 11,  
19    wherein the server sets the cookie value by determining the last modified time of each  
20    page in the same class as the page which is the subject of the request, and sets the  
21    cookie value to the maximum value of the last modified times.

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23       15. (Previously presented) A method of client-side caching in a server,  
24    comprising:

25        receiving a client request for a web page; and

26        inserting a cookie and a client-side script in response to the client request,  
27    wherein the cookie value represents the last version of the web page, wherein the  
28    client-side script appends the cookie value to the client request for the web page such  
29    that the client automatically re-requests the web page with the appended cookie value  
30    so that if the most recent version of the web page is in the client cache, the web page is

1 retrieved from client cache rather than from the server, and if not, the web page is  
2 retrieved from the server.

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4 16. (Previously presented) The method of claim 15, further comprising  
5 determining the last modified time of each web page in the same class as the web page  
6 which is the subject of the request, and setting the cookie value to the maximum value  
7 of the last modified times.

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9 17. (Previously presented) The method of claim 15, further comprising:  
10 reviewing the extension of the requested web page to determine run time  
11 environment;  
12 loading the run time environment; and  
13 updating a database with information from the client request.

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15 18. (Previously presented) A method of client-side caching in a browser,  
16 comprising:

17 presenting a user selection for a web page at a URL; and  
18 receiving a server response including a cookie and client-side script, wherein the  
19 cookie value represents the most recent version of the web page, the client-side script  
20 appends the cookie value to the URL and automatically re-requests the web page with a  
21 rewritten URL of the URL with the appended cookie value so that if the most recent  
22 version of the web page is in the browser cache, the web page is retrieved from the  
23 browser cache, and if not, the resource is retrieved from the server.

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